

### Claims

1. (original) A method for purifying an immunosuppressant protein (HISP), the method comprising:
  - a. obtaining supernatant from hNT cells;
  - b. exposing the supernatant to preparative polyacrylamide gel electrophoresis to produce 20 isoelectric fractions, including active isoelectric fraction #10;
  - c. placing the active isoelectric fraction on a Blue Sepharose column to bind albumin; and
  - d. collecting the free fraction containing the concentrated HISP.

Claims 2-5 (cancelled).

6. (new) The method of claim 1 wherein step a is followed by the step of concentrating using ultrafiltration.
7. (new) The method of claim 1 wherein step a is followed by the step fractionating the supernatant on a Sephacryl gel.
8. (new) The method of claim 7 wherein the next step is combining groups of five collected fractions and optionally determining the peak active fraction.